

Discover[®] SPS

Microwave Solid Phase Peptide Synthesis

Now the world's first and only microwave peptide synthesizer is also available in a research scale benchtop system that offers a cost-effective alternative to purchasing peptides.

Introducing the new Discover SPS Microwave Peptide Synthesizer.

Enhance your laboratory's capabilities with the benefits of microwave-assisted peptide synthesis. Now, biochemists and scientists who need to make peptides on a research scale can produce high purity peptides in a rapid and cost-effective manner.

Compared to conventional methods, the Discover SPS offers biochemists and others active in the study of proteins the unparalleled benefits of microwave-assisted peptide synthesis in a safe, compact, easy-to-use system.

- *Greater purity than conventional methods*
- *Accelerated reaction rates - 10 to 20 times faster than conventional methods*
- *Access peptides impossible to synthesize under conventional conditions*



CEM

Accelerating the Transformation of Concept to Cure



The Discover SPS features the same patented technology of the Discover® System, the best-selling microwave synthesis system in the world.

- *Patented single-mode microwave cavity ensures homogenous power delivery at 1W increments*
- *Precise fiber optic temperature control*
- *Fast, easy washing*
- *Small system footprint fits easily in a standard fume hood*
- *Easily upgradeable to automated system*
- *Accessory available for high pressure organic synthesis*
- *Industry-leading safety features*



“The implementation of microwave assisted peptide synthesis was the most important change in our chemistry in the last several years. It enables us to do even difficult sequences in high purity faster than ever before.”

Andreas Rybka, PhD
Research Scientist
AplaGen GmbH

Instrument Specifications

Synthesis Scale	0.1 – 1 mmol
Chemistry	Solid Phase (Fmoc, t-Boc)
Temperature Sensor	<i>In situ</i> Fiber-optic
Reagent Transfer	Manual or Vacuum
Agitation	Magnetic Stirring
Patents	US Patents 6648659, 6666223, 5459302, 6607920B2 with other US & Worldwide patents pending

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